

## **DRUG DELIVERY DEVICE**

### **ABSTRACT**

5                   A medical device for drug delivery is provided which includes a stent  
structure and a biologically active structure attached to the stent structure. The  
biologically active structure is comprised of a plurality of layers, including a first layer  
having a first biologically active compound, such as an anti-proliferative, cytostatic or  
cytotoxic drug, for delivery at a first target site, such as the vascular tissue; a second layer  
10   having a second biologically active compound, such as a growth factor, for delivery into  
the arterial lumen and capable of promoting engraftment and differentiation of  
hematopoietic stem cells and/or endothelial progenitor cells at a second site of  
myocardial injury; and a third, middle layer which is substantially or selectively  
impermeable to both the first and second biologically active compounds.

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